

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 95/02457

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 C12N15/62 C12N15/83 C07K14/08 C07K14/435 C12N7/01
C12N5/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 C07K C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO,A,91 15587 (COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION) 17 October 1991 see page 7, line 8 - line 22; example 4 see page 3, line 18 - page 4, line 27 --- -/--	1-3,8,9, 12,18, 20-23

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

A document member of the same patent family

Date of the actual completion of the international search

26 January 1996

Date of mailing of the international search report

15.03.1996

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+ 31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+ 31-70) 340-3016

Authorized officer

Montero Lopez, B

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/GB 95/02457

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>BIOTECHNOLOGY, vol. 11, no. 10, October 1993 NEW YORK US, pages 1166-1170, MITTUR N. JAGADISH ET AL. 'High level production of hybrid Potyvirus-like particles carrying repetitive copies of foreign antigens in Escherichia coli' see abstract see page 1166, left column, paragraph 3 - page 1167, right column, paragraph 1 see page 1167, right column, paragraph 4 - page 1169, left column, paragraph 3 ---</p>	<p>1-3, 9-13, 20-23</p>
X	<p>WO,A,93 03161 (DONSON, JON ET AL.) 18 February 1993 see page 5, paragraph 2 see page 6, paragraph 3 - page 7, paragraph 3 see page 15, paragraph 2 - page 17, paragraph 2 see page 20, paragraph 3 - page 21, paragraph 1 see page 23, paragraph 2 - page 24, paragraph 1 see page 26, paragraph 5 - page 27, paragraph 3 see page 29, paragraph 2 - page 30, paragraph 1 see page 33, paragraph 2 - page 34, paragraph 1; examples 8,12 ---</p>	<p>1-24</p>
X	<p>DATABASE WPI Section Ch, Week 9013 Derwent Publications Ltd., London, GB; Class B04, AN 90-096520 'New plant virus RNA vector obtained by connecting foreign gene downstream of coat protein gene of tobamo virus RNA' & JP,A,02 049 591 (SUMITOMO CHEM IND KK) , 19 February 1990 see abstract ---</p>	<p>1,3,8,9, 11,20-23</p>
X	<p>WO,A,92 18618 (AGRICULTURAL GENETICS COMPANY LIMITED) 29 October 1992 cited in the application</p>	<p>20-23</p>
A	<p>see page 2, paragraph 2 - page 3, paragraph 1 see page 3, paragraph 3 - page 4, paragraph 1 see page 4, paragraph 3 - page 5, paragraph 3 see page 17, paragraph 2 - page 18, paragraph 5 ---</p>	<p>1-19,24</p>

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 95/02457

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	VIROLOGY, vol. 197, no. 1, November 1993 ORLANDO US, pages 366-374, RAMAKRISHNAN USHA ET AL. 'Expression of an animal virus antigenic site on the surface of a plant virus particle'	20-23
A	see abstract see page 366, left column, paragraph 1 - right column, paragraph 1 see page 368, left column, last paragraph - right column, paragraph 2 see page 370, right column, paragraph 1 - page 372, right column, paragraph 1 ---	1,2,9, 11-13,18
P,X	VACCINE, vol. 13, no. 12, August 1995 GUILDFORD GB, pages 1051-1057, JOHN FITCHEN ET AL. 'Plant virus expressing hybrid coat protein with added murine epitope elicits autoantibody response' see abstract see page 1051, right column, paragraph 2 - page 1052, left column, paragraph 1 see page 1053, right column, paragraph 1 - page 1054, right column, paragraph 2 see page 1055, left column, paragraph 1 - page 1056, right column, paragraph 1 -----	1-3,8,9, 11,12, 20-23

INTERNATIONAL SEARCH REPORT

Information on patent family members

Information

Application No

PCT/GB 95/02457

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO-A-9115587	17-10-91	AU-B- 7667591 EP-A- 0527767	30-10-91 24-02-93
WO-A-9303161	18-02-93	US-A- 5316931 AU-B- 3351193 CA-A- 2114636 EP-A- 0596979 JP-T- 7503361	31-05-94 02-03-93 18-02-93 18-05-94 13-04-95
WO-A-9218618	29-10-92	AU-B- 661479 AU-B- 1447992 EP-A- 0580635 HU-A- 65554 JP-T- 6506583	27-07-95 17-11-92 02-02-94 28-06-94 28-07-94